



MMA Program Status

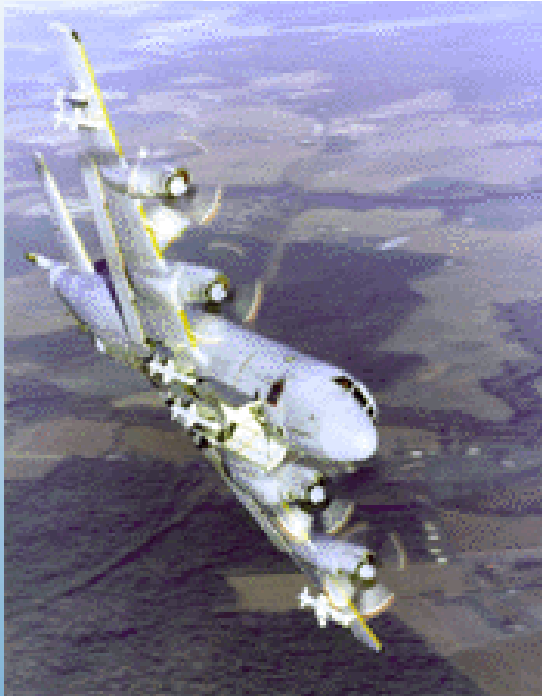
09 September 2003





Purpose of MMA Program

To recapitalize the capabilities currently provided by the P-3 aircraft systems



The P-3 aircraft provides the USN with strategic blue water and littoral Undersea Warfare (USW) capabilities, and performs armed intelligence, surveillance and reconnaissance functions.



Concept Exploration

April 2000-January 2002

Milestone 0 Approved by Defense Acquisition Board 22 MAR 00

Analysis of Alternatives (AoA):

- Manned aircraft identified as an element of the MMA system
- Unmanned aircraft have a role as an adjunct capability

Industry Concept Studies – June 2000 to January 2001 - supported the AoA:

- Lockheed Martin studied a remanufactured P-3 concept
- Raytheon studied a remanufactured P-3 concept
- Boeing studied a 737 derivative concept
- Northrop Grumman studied the Global Hawk Adjunct Unmanned Aerial Vehicle (UAV)

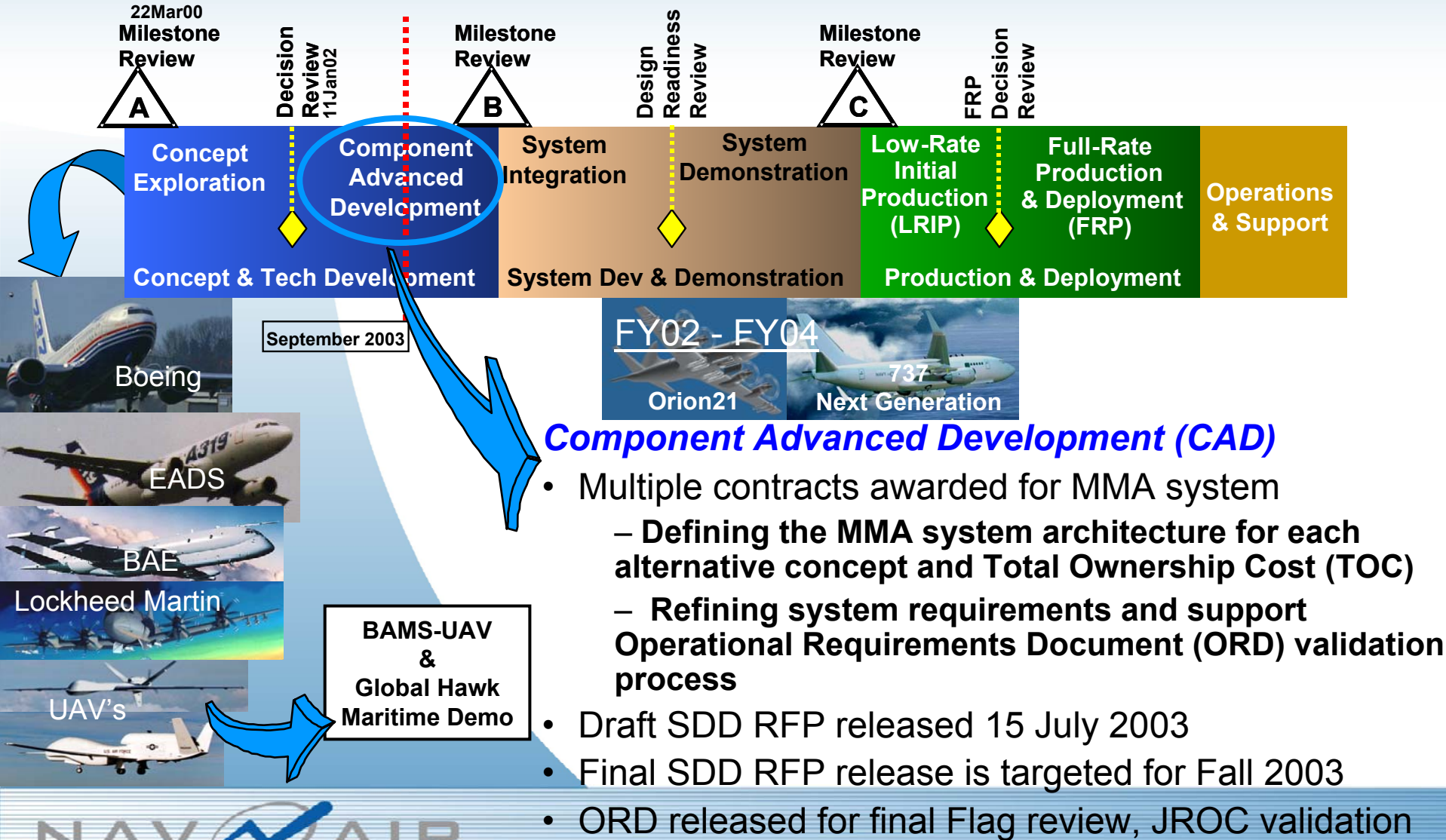


Analysis of Alternatives Summary of Findings

- Manned aircraft are key element of Navy Broad Area Maritime and Littoral Armed Intelligence Surveillance and Reconnaissance missions
- UAVs have a role as an adjunct system to the manned aircraft

Manned Aircraft with Adjunct UAV

Program Snapshot



Component Advanced Development

- Contracts awarded on 10 September 2002
- Successful offerors:

Company
Boeing
Lockheed Martin

System
737 Next Generation
Orion 21



- **Phase I:** September 2002 to February 2003 (5 mos)
- **Phase II:** February 2003 thru 30 April 2004 (14 mos)



Mission Systems

Will feature an open system architecture

- Evolutionary mission system capability
 - Initial production blocks must provide an overall mission system capability no less effective than the P-3C Update III Anti-Surface Warfare Improvement Program (AIP) baseline
 - Open system architecture should ensure Command, Control, Communications, Computers, and Intelligence (C4I) interoperability and supportability throughout the MMA life cycle

Spiral Acquisition Process facilitated through Open Systems Architecture



Logistic Support

Maximize MMA Fleet Squadron support and achieve maximum aircraft availability at the lowest Operational and Support (O&S) costs.

- Innovative logistic solutions
 - Commercial support concepts to be evaluated during CAD
 - Establish Partnering / Teaming arrangements
- Achieve Fleet transformational training objectives
 - Training and readiness certification on trainers versus aircraft
- Minimization of O&S costs in relation to the MMA Total Ownership Cost (TOC) through:
 - Logistics footprint and Organic manpower reductions,
 - Competitive base for depot level maintenance and component repair, &
 - Increased component reliability.

